

Gunshot & Sharp Instrument Cases, MA Residents, 1994-2007

Injury Cases Reported by Hospital Emergency Departments to the Weapon Related Injury Surveillance System¹

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Number of Cases Reported to WRISS														
Gunshot Wounds	980	828	666	544	520	533	512	603	636	760	790	889	899	839
Sharp Instrument Wounds ²	1885	1684	1553	1353	1253	1287	1312	1361	1264	1220	1219	1356	1346	1363
TOTAL CASE COUNT	2865	2512	2219	1897	1773	1820	1824	1964	1900	1980	2009	2245	2245	2202
<i>Crude Rate per 100,000 residents</i>	46.9	40.9	35.9	30.5	28.2	28.7	28.7	30.7	29.6	30.8	31.3	34.9	35.1	34.2
Injury Intent by Gun Type														
Assault-related	662	526	393	312	318	375	328	379	400	479	486	579	588	566
Firearms	625	503	337	270	291	339	286	335	343	402	420	507	519	502
Nonpowder guns (e.g., bb gun)	37	20	43	25	20	30	34	42	48	69	62	72	67	63
Other gun type	0	3	13	17	7	6	8	2	9	8	4	0	2	1
Unintentional/accidental	163	155	166	158	117	94	130	138	145	174	213	196	189	185
Firearms	69	65	55	56	44	25	29	20	28	20	37	22	26	29
Nonpowder guns (e.g., bb gun)	92	86	108	96	71	64	94	114	114	154	174	170	162	154
Other gun type	2	4	3	6	2	5	7	4	3	0	2	4	1	2
Intentional Self-Inflicted ³	47	47	35	26	31	26	21	26	15	27	16	16	16	26
Firearms	44	43	32	22	30	24	20	23	15	24	13	13	11	23
Nonpowder guns (e.g., bb gun)	3	3	3	3	1	1	1	3	0	3	3	3	5	1
Other gun type	0	1	0	1	0	1	0	0	0	0	0	0	0	2
Intent is Unknown/Unspecified	108	100	72	48	54	38	33	60	76	80	75	98	106	62
Firearms	82	68	53	30	42	25	14	31	43	48	49	59	72	48
Nonpowder guns (e.g., bb gun)	26	32	17	16	11	13	16	28	31	31	26	39	34	14
Other gun type	0	0	2	2	1	0	3	1	2	1	0	0	0	0
TOTAL GUN COUNT	980	828	666	544	520	533	512	603	636	760	790	889	899	839
<i>Crude Rate per 100,000 residents</i>	16.0	13.5	10.8	8.7	8.3	8.4	8.1	9.4	9.9	11.8	12.3	13.9	14.0	13.1

Source: Weapon Related Injury Surveillance System, Massachusetts Department of Public Health

•Cases are defined as:

a. any gunshot wound treated in a hospital emergency department (e.g., firearm, non-powder gun, other gun), or b. a sharp instrument wound intentionally inflicted by another person or sustained during a violent incident.

•All cases reported regardless of subsequent disposition are included in the counts (e.g., admitted, died, discharged, etc.).

•Counts do not reflect deaths that are not first transported to a hospital emergency department for treatment.

•Rates are calculated based on population estimates developed by the MA Institute for Statistics on Economic Research (1994-1998), the MA Department of Public Health (1999) and the U.S. Census Bureau (2000, 2001-2006 estimates).

¹ Based on past record reviews, the statewide hospital reporting level is estimated to be between 70 and 80%.

² WRISS captures gun-related injuries of any intent, but only sharp instrument wounds of an assaultive nature.

³ Most intentional self-inflicted firearm injuries result in death. They are less likely to be treated in an ED and consequently less likely to be captured by WRISS.

Gunshot & Sharp Instrument Cases, MA Residents, 1994-2007 (continued)

Injury Cases Reported by Hospital Emergency Departments to the Weapon Related Injury Surveillance System¹

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
FIREARM Injury Cases ONLY														
TOTAL FIREARM COUNT	820	679	477	378	407	413	349	409	429	494	519	601	628	602
<i>Crude Rate per 100,000 residents</i>	13.4	11.1	7.7	6.1	6.5	6.5	5.5	6.4	6.7	7.7	8.1	9.4	9.8	9.4
ASSAULT-RELATED FIREARM COUNT	625	503	337	270	291	339	286	335	343	402	420	507	519	502
<i>Crude Rate per 100,000 residents</i>	10.2	8.2	5.4	4.3	4.6	5.4	4.5	5.2	5.3	6.2	6.5	7.9	8.1	7.8
UNINTENTIONAL FIREARM COUNT	69	65	55	56	44	25	29	20	28	20	37	22	26	29
<i>Crude Rate per 100,000 residents</i>	1.1	1.1	0.9	0.9	0.7	0.4	0.5	0.3	0.4	0.3	0.6	0.3	0.4	0.4
NON-POWDER GUNS (e.g., BB, pellet guns)														
TOTAL NON-POWDER GUN COUNT	158	141	171	140	103	108	145	187	193	257	265	284	268	232
<i>Crude Rate per 100,000 residents</i>	2.6	2.3	2.8	2.2	1.6	1.7	2.3	2.9	3.0	4.0	4.1	4.4	4.2	3.6
ASSAULT Injury Cases ONLY														
Sharp Instrument Wounds	1885	1684	1553	1353	1253	1287	1312	1361	1264	1220	1219	1356	1346	1363
Gunshot Wounds	662	526	393	312	318	375	328	379	400	479	486	579	588	566
<i>TOTAL ASSAULT COUNT</i>	2547	2210	1946	1665	1571	1662	1640	1740	1664	1699	1705	1935	1934	1929
<i>Crude Rate per 100,000 residents</i>	41.7	36.0	31.5	26.7	25.0	26.2	25.8	27.2	25.9	26.4	26.6	30.2	30.2	30.0

Source: Weapon Related Injury Surveillance System, Massachusetts Department of Public Health

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